H9MO-LMFIT

SDH/MSTP Multiplexer

Overview

H9MO-LMFIT is a carrier-class, cost-effective, compact (only 1U high) SDH/MSTP platform that is designed for applications in metro and access networks to facilitate the efficient transport of traditional TDM and emerging data traffic for service providers.

H9MO-LMFIT is a modularized unit with 4 universal slots, supporting different interface cards, such as STM-1 fiber optic cards, E1 cards, Ethernet cards (EoS VCAT), and V.35 card. The main board cross-connect capacity is 504×504 VC-12s (8×8 VC-4s), allowing non-blocking adding/dropping services among different interfaces. It supports the hybrid transmission of SDH, PDH, Ethernet and N×64K V.35 services within the same equipment. It also supports 2048×2048 64K (full 64E1) cross-connect capacity using FDXC64 card. With the large capacity cross-connect matrix, the H9MO-LMFIT can be configured as ADM, TM, and REG. It is suitable for multiple network topologies such as point-to-point, chain, ring, hub, and mesh networks.

Features

1. 4 General Slots, supporting a range of interface cards, including SDH, PDH, Ethernet and V.35 cards.
2. Ethernet service supporting GFP encapsulation, VC12 virtual concatenation (1~63 VC12)
3. Large cross-connect matrix capacity is 504×504 VC12s (8×8 VC4s) and powerful networking ability
4. LCD display for system configuration and alarm
5. Inter-working with popular SDH/MSPP products of various vendors
6. Suitable for 3G access network transmission
7. Easy commissioning and maintenance
8. High integration, compact design
9. High reliability, low CAPEX and OPEX

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Technical Specifications

Index	Performance Parameter	
SDH Interface	Max	8 STM-1 optical interfaces (Four F155-DO cards used)
	Connector	SC/PC
	Spec.	S-1.1, L-1.1, L-1.2
		Single fiber bi-directional interface can be optionally supported
Service Card (4 General Slots)	F155-O	Single STM-1 optical interface card
	F155-DO	Dual STM-1 optical interfaces card
	F4XE1	4×E1 interface card (75Ω)
	F8XE1	8×E1 interface card (75Ω or 120Ω)
	FFE201	2 FE over 1 VCG trunks (EoS)
	FFE404	4 FE over 4 VCG trunks (EoS)
	FFX404	4 Fx over 4 VCG trunks (EoS)
	FFE201E	2 FE over 1 n×E1 (EoE)
	FFE404E	4 FE over 4 n×E1 (EoE)
	F2XV35	2×V.35 interface card (framed or unframed)
	FDXC64	Full 64E1 DXC (2048×2048 64k cross-connect)
	FE2T63	63 Ethernet over E1(EoE) to 2 FE aggregation card
PDH interface	E1 Spec.	Comply with G.703, 2.048Mbps, HDB3
	Max E1	24E1 (Three F8XE1 cards support)
Ethernet	Interface	10/100Base-Tx, Comply with IEEE 802.3
	Max FE Interface	12 FE (Three FFE404 cards support)
	Encapsulation	Comply with ITU-T G.7041 (GFP)
V.35	Max Interface	6 V.35 interfaces (n×64K) (Three F2XV35 cards support) DCE/DTE
Cross-connect Capacity	Low order VC12	504×504 VC12
Management	Protocol	SNMP or Q3
	Interface	10Base-T and RS232 RS485
EOW interface		Standard socket RJ11
LCD Display		Support
Physical Dimension		1U: 440 × 44 ×230 (mm)
Power	Supply	-48V DC or 220V AC or dual power supply +24VDC
	Consumption	≤ 15W
Environment	Temperature	5°C ~ 45°C
	Humidity	≤ 90 %(non-condensing)
Weight		≤ 3.5 kg

Typical Application